

JUC meeting, Thursday 27 March, 11.00, Arpad's room

Jonathan: Salvatore has finished the configuration for 2 bands of 32MHz. Top level simulated with modelsim, then made new Quartus project. Timing errors, not huge, there is an extra stage FFT, trying to use logiclock regions to make things better. Should not be too dramatic.

Need to test with packets of different sizes, until now only 5000. Mixed size packets from different telescopes next.

***Harro, Jonathan and Salvatore check if VDIF limits have been implemented properly

Jonathan has spent time on pinning design, bug in Megawizard? Will install update first, then put in bug report if not fixed. Has put in DDR and transceivers until now

Salvatore: working on documentation

Des: code that talks to Mk5 gets it to configure and send data, only the correlator does not understand yet. Have to look at output. Today--tomorrow?

Harro: has implemented normalisation, could use same algorithm as SFXC, but with FFT quantization, instead of 4 samples. Should ask if SFXC can easily be convinced to do same, for comparison.

Guiffre: has tested this this morning. Has been on vacation and working on paper.

Arpad: external review in September, asked Deller, asked Anton and Simon to come up with person for review. Like internal review last year, documents, presentations.